



**COMPENSATED
DENSITY/NEUTRON
PE LOG**

Company **CHOLLA PRODUCTION, LLC**
 Well **ALBERT #1-3**
 Field **DIEBOLT EAST**
 County **TREGO** State **KANSAS**

Location: **API #: 15-191-23135-0000**
2290' FSL & 210' FEL
SE/NE/SE
SEC 3 TWP 11S RGE 23W
 Permanent Datum **GROUND LEVEL Elevation 2221**
 Log Measured From **KELLY BUSHING 8' A.G.L**
 Drilling Measured From **KELLY BUSHING**

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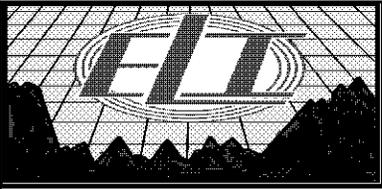
Date	4/10/22		
Run Number	ONE		
Depth Driller	3850		
Depth Logger	3851		
Bottom Logged Interval	3827		
Top Log Interval	3000		
Casing Driller	248		
Casing Logger	248		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2700 PPM	
Density / Viscosity	9.1/55		
PH / Fluid Loss	10.5/5.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.4@68F		
Rmt @ Meas. Temp	1.05@66F		
Rmc @ Meas. Temp	1.88@66F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	80@115F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	115F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	TJ DREILING		
Witnessed By	CHARLIE STURDAVANT		

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

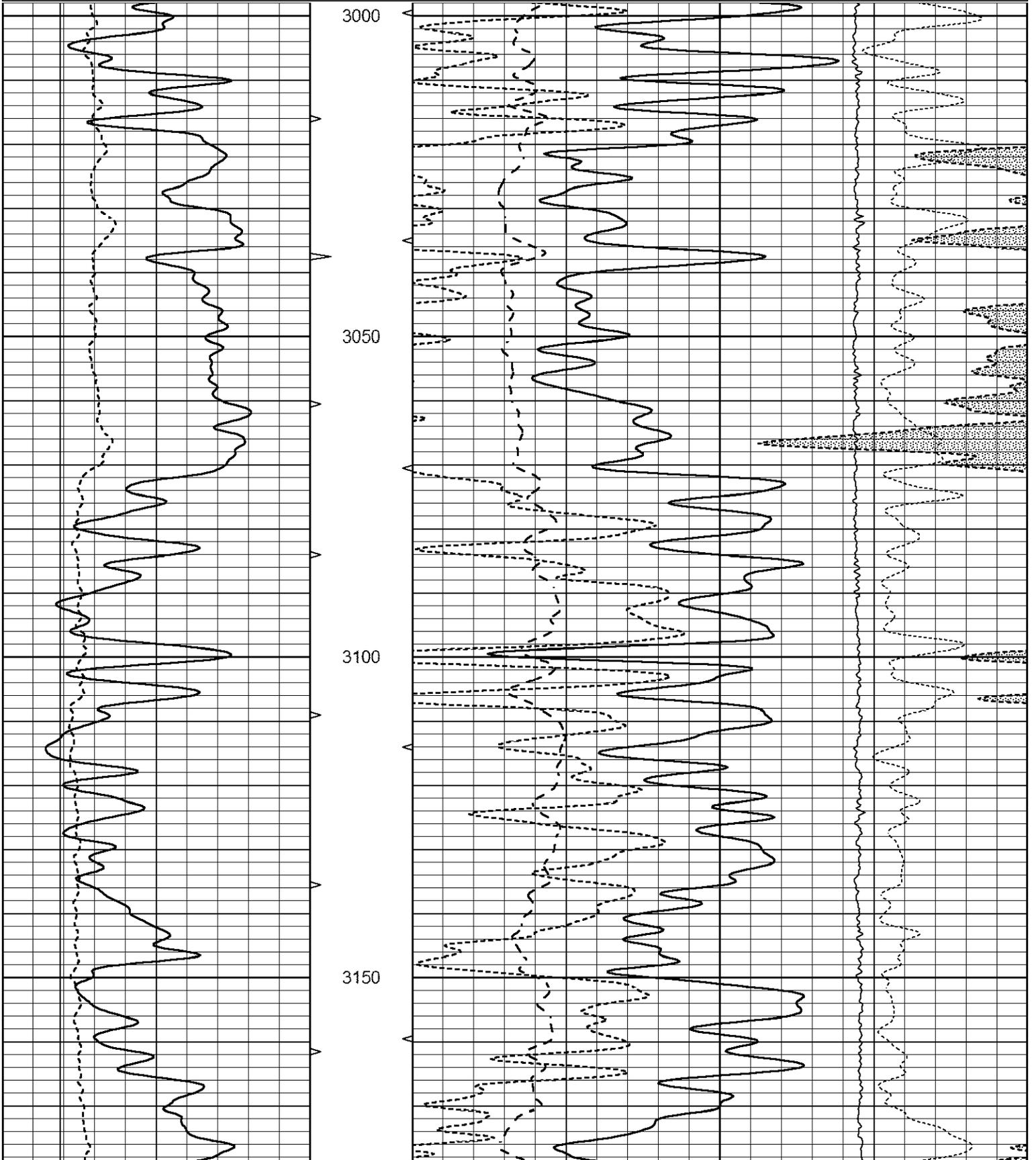
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
 -WAKEENEY KANSAS AND HIGHWAY 283 EXIT, -NORTH 8 MILES TO "B" RD,
 -1 1/2 MILES EAST TO TANK BATTERIES ON NORTH SIDE OF ROAD,
 -FOLLOW ROAD NORTH THROUGH PASTURE, - WEST INTO

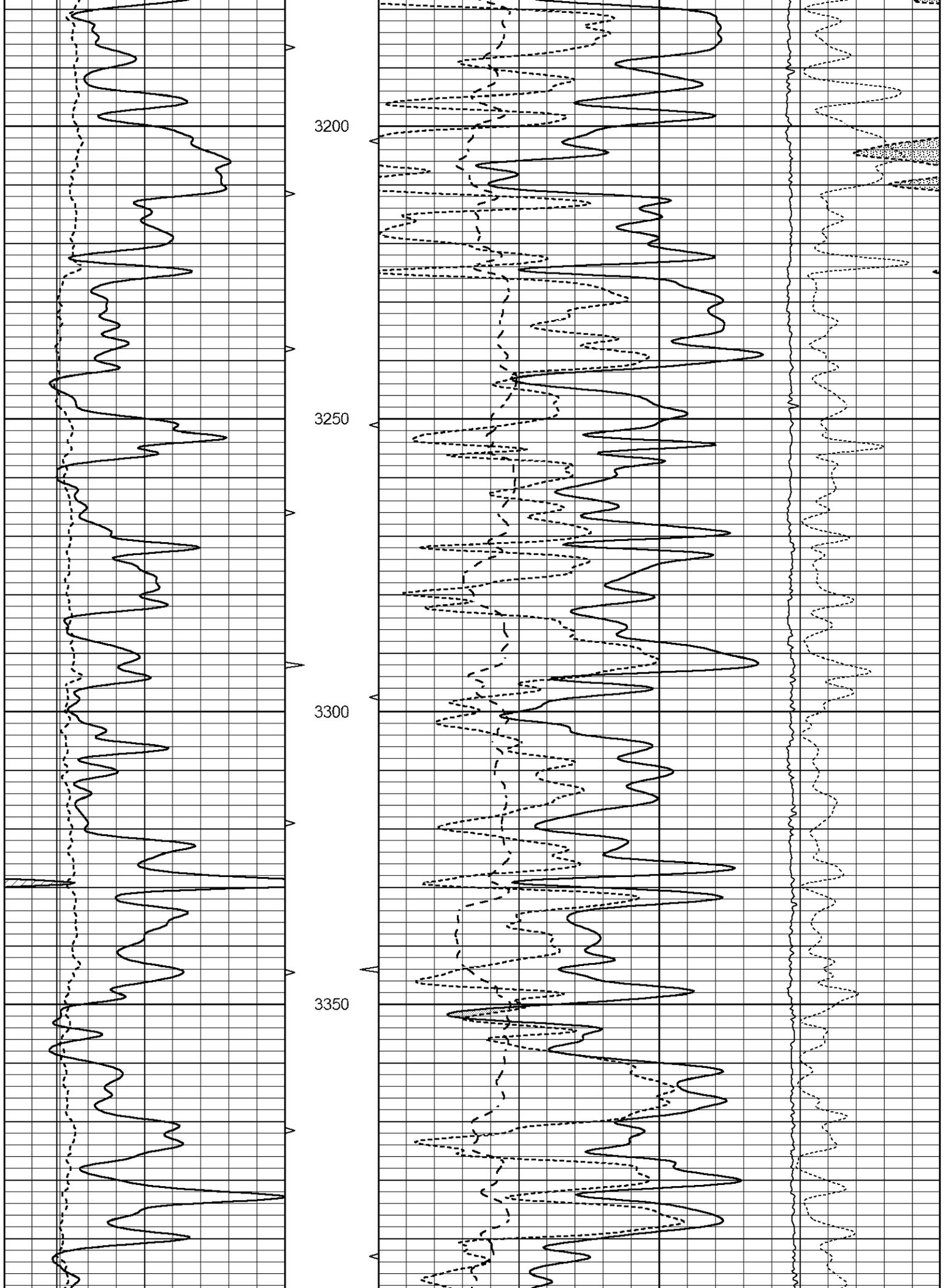


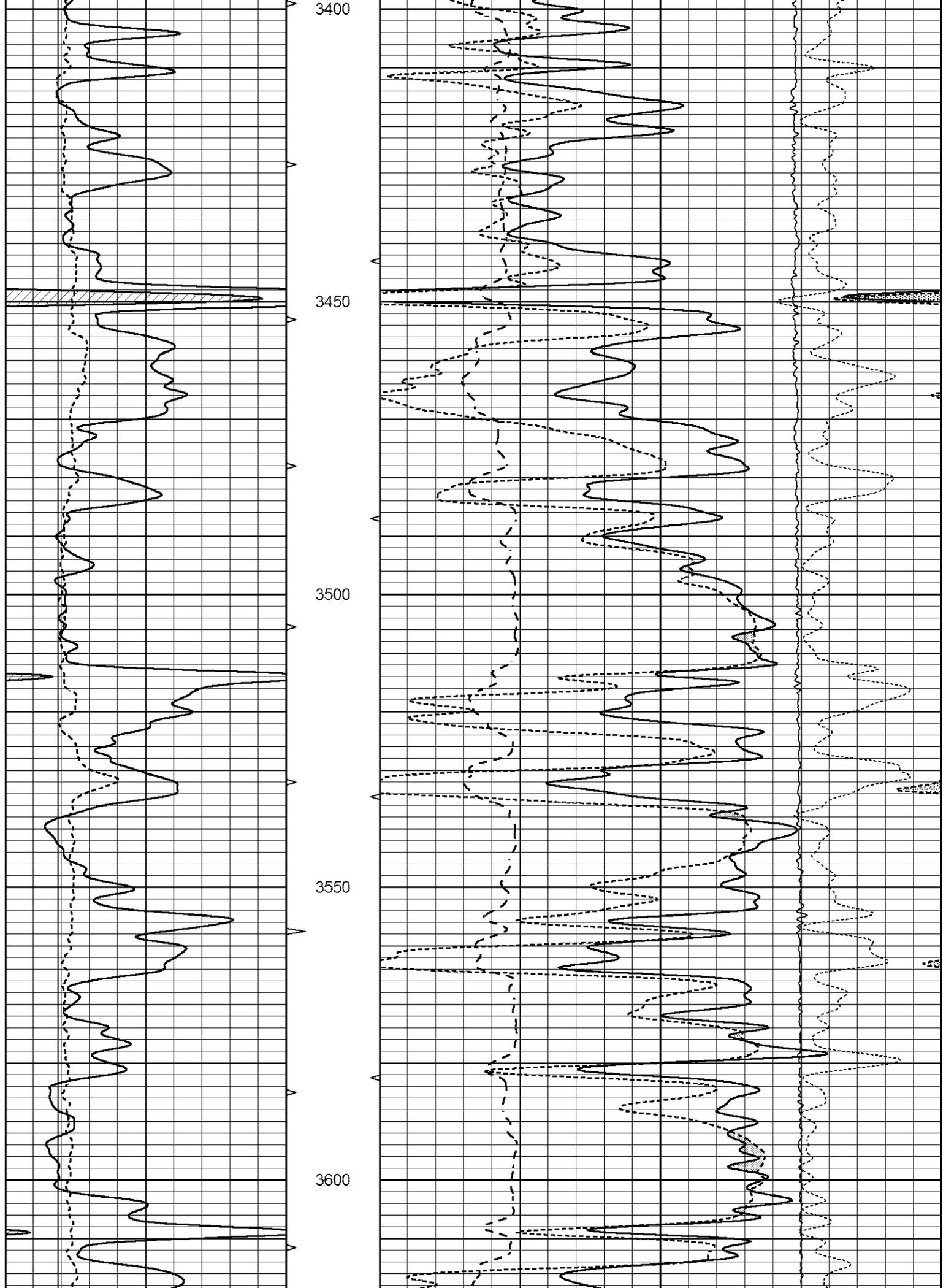
MAIN SECTION

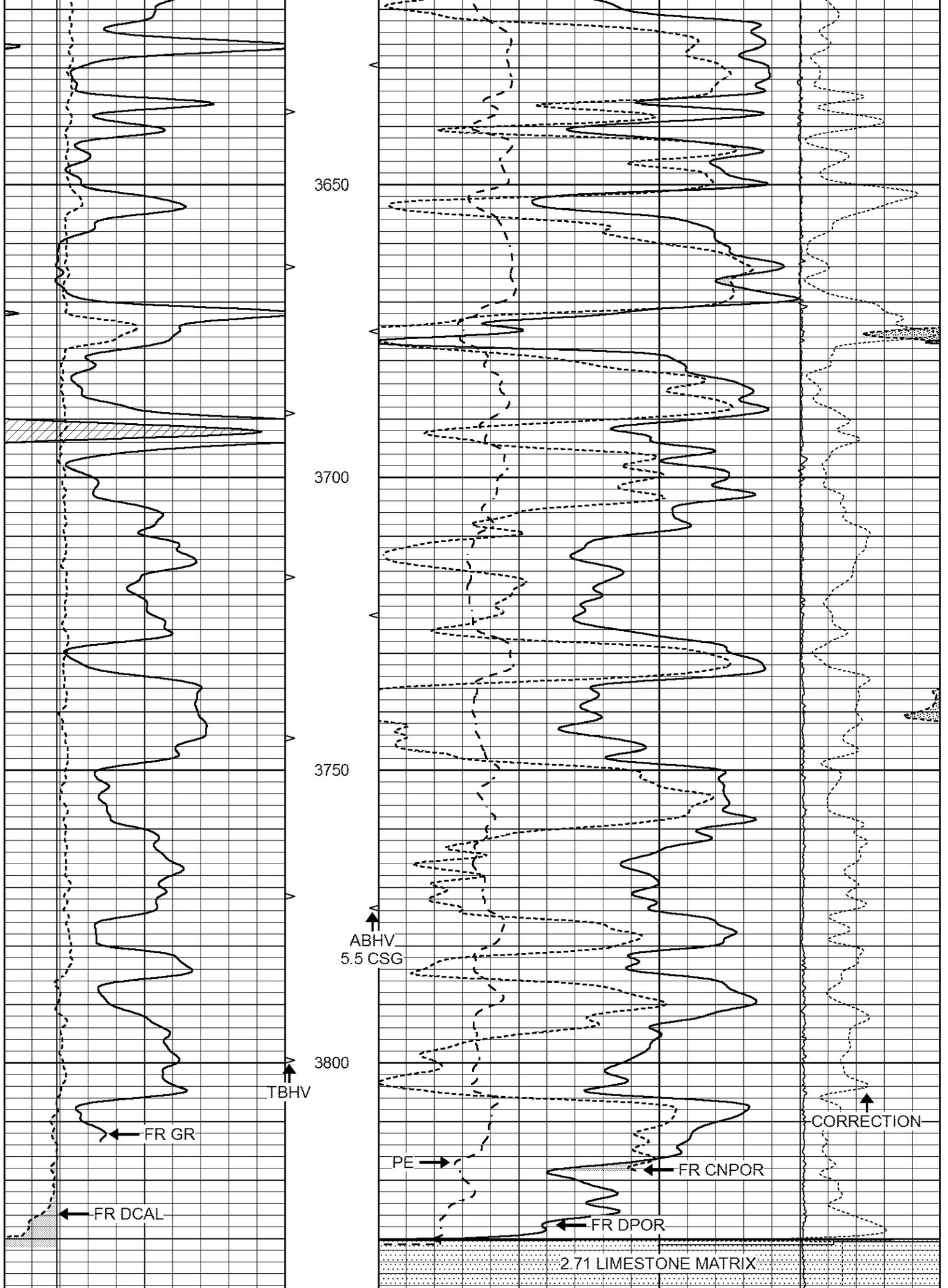
Database File 6386pe.db
 Dataset Pathname pass3.1
 Presentation Format _ldt_neu
 Dataset Creation Sun Apr 10 23:05:46 2022
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)		-10
6	CALIPER (in)	16	10 (ft3)	0	COMPENSATED NEUTRON (pu)		-10
			TBHV	0	PE	10	-0.25
			0 (ft3)	10	CORRECTION (g/cc)		0.25
					0	LTEN (lb)	5000









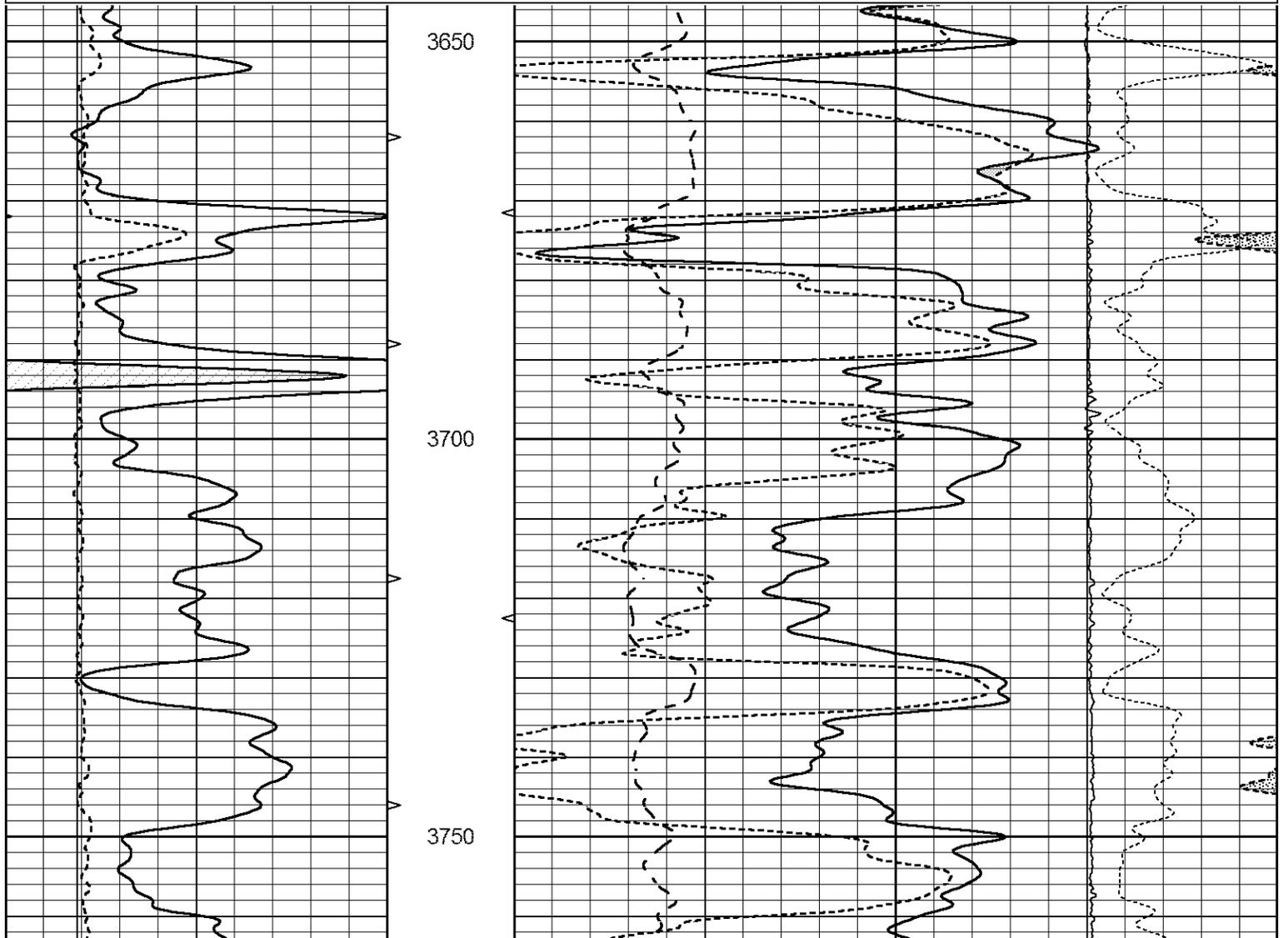
		LTD 3851		Line Tension →					
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10			
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)	-10		
		TBHV		0	PE	10	-0.25	CORRECTION (g/cc)	0.25
		0 (ft3)		10			0	LTEN (lb)	5000

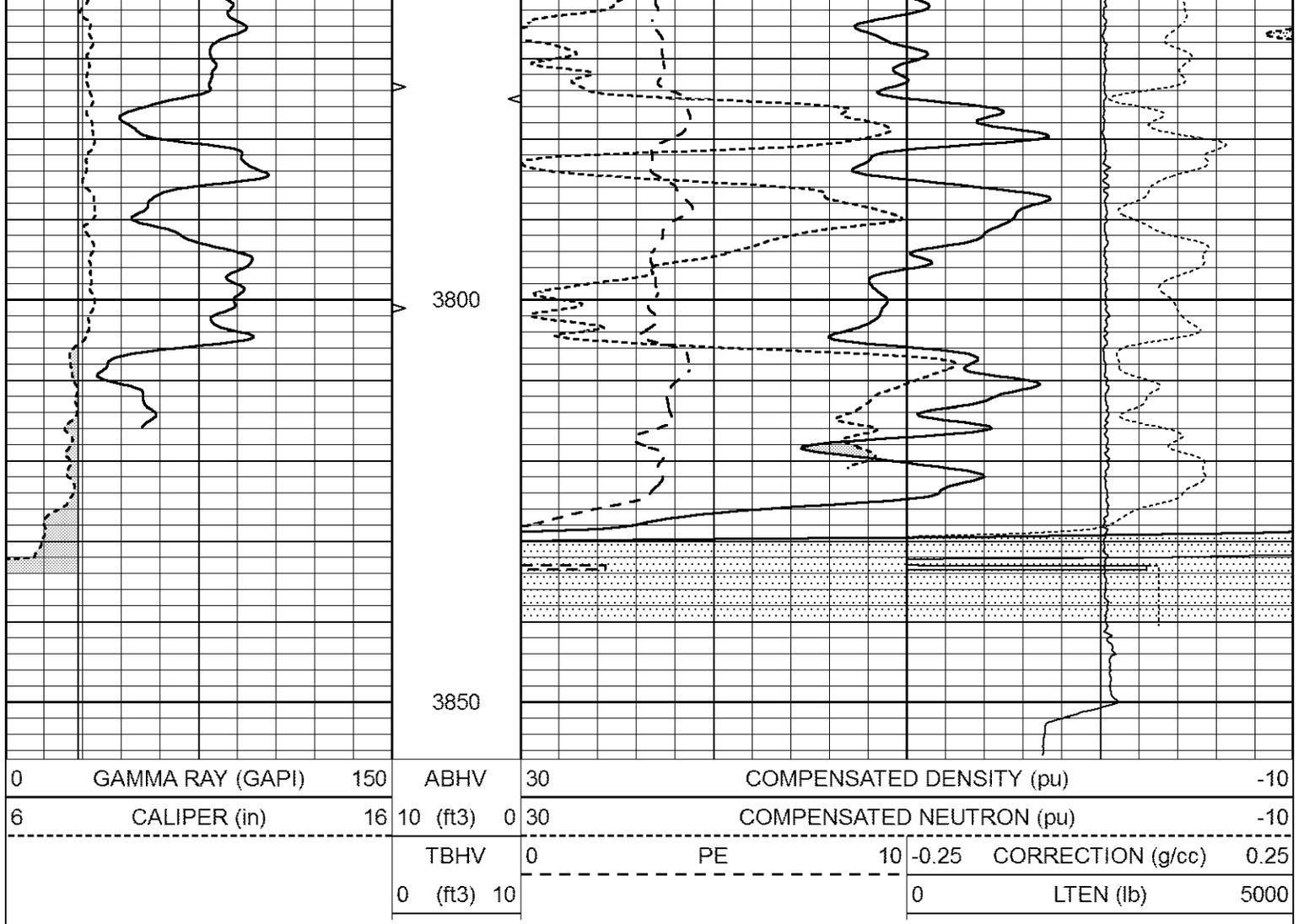


REPEAT SECTION

Database File 6386pe.db
 Dataset Pathname pass2.1
 Presentation Format _ldt_neu
 Dataset Creation Sun Apr 10 23:00:34 2022
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)		-10		
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)		-10	
		TBHV		0	PE	10	-0.25	CORRECTION (g/cc)	0.25
		0 (ft3)		10			0	LTEN (lb)	5000





Calibration Report

Database File 6386pe.db
 Dataset Pathname pass3.2
 Dataset Creation Sun Apr 10 23:16:58 2022

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
 Surface Cal Performed: Sat Jan 29 11:57:42 2022
 Downhole Cal Performed: Tue Feb 19 11:44:24 2019
 After Survey Verification Performed: Tue Feb 19 11:44:27 2019

Surface Calibration

Loop:	Readings				References		Results	
	Air	Loop	V		Air	Loop	m	b
Deep	0.011	0.656	V	1.000	400.000	mmho/m	618.595	-5.524
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	1.197
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.007	0.649	V	0.000	400.000	mmho/m	623.784	-4.595
Medium	0.004	0.743	V	0.000	464.000	mmho/m	627.284	-2.251

Downhole Calibration

	Readings				References		Results	
	Zero	Cal			Zero	Cal	m'	b'
Deep	0.824	305.917	mmho/m	0.976	307.550	mmho/m	1.004	0.149

Deep	-0.824	395.917	mmho/m	-0.824	395.917	mmho/m	1.004	-0.149
Medium	3.565	471.327	mmho/m	3.468	471.590	mmho/m	1.001	-0.099
LL3		7.503	V		1500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.481	V		3745.000	mmho-m		

After Survey Verification								
	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.824	395.917	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	3.565	471.327	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1500.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Litho Density Calibration Report
Serial: 140704
Model: V4_10P
Source Number: 74GBq-19

Master Calibration				Performed: Fri Feb 18 15:41:27 2022			
	Background	Aluminum		Magnesium			
Window 1	515.75	5443.58		23734.91	cps		
Window 2	41.45	1226.32		5757.32	cps		
Window 4	224.78	1223.03		5315.97	cps		
Window 5	549.25	7983.61		15349.73	cps		
Window 6	43.12	1271.88		2496.98	cps		
Window 8	261.02	2595.65		4928.92	cps		
Bulk Density	-	2.6020		1.6830	g/cc		
Pe	-	3.0000		2.5070	b/e		
LS Alpha:	: -1.8571	SS Alpha:	: -0.7875	LS CPE:		: 1.1396	
LS Beta:	: 128618.9672	SS Beta:	: 18780.4869	SS CPE:		: 1.5966	

Before Survey Background Counts Verification				Performed: Wed Dec 31 18:00:00 1969			
Window 1	0.00		cps				
Window 2	0.00		cps				
Window 4	0.00		cps				
Window 5	0.00		cps				
Window 6	0.00		cps				
Window 8	0.00		cps				

After Survey Background Counts Verification				Performed: Wed Dec 31 18:00:00 1969			
Window 1	0.00		cps				
Window 2	0.00		cps				
Window 4	0.00		cps				
Window 5	0.00		cps				
Window 6	0.00		cps				
Window 8	0.00		cps				

Lithodensity Caliper Calibration				Performed: Fri Feb 18 15:41:27 2022			
Results	Readings		References (in)		Gain	Offset	
	Low	High	Low	High			
	8107.9	11082.1	8.0	14.0	0.0	-7.9	

Before Survey Caliper Verification

Performed:

Reference

Reading

Caliper (in)

After Survey Caliper Verification

Performed:

Reference

Reading

Caliper (in)

Compensated Neutron Calibration Report

Serial Number:

080621PMC

Tool Model:

NABORS

PRE-SURVEY VERIFICATION

Detector

Readings

Measured

Target

Short Space

cps

Long Space

cps

pu

pu

POST-SURVEY VERIFICATION

Detector

Readings

Measured

Target

Short Space

cps

Long Space

cps

pu

pu

Gamma Ray Calibration Report

Serial Number:

7

Tool Model:

Probe1

Performed:

Tue Jan 19 17:50:08 2021

Calibrator Value:

1.0

GAPI

Background Reading:

0.0

cps

Calibrator Reading:

1.0

cps

Sensitivity:

0.5300

GAPI/cps